



## Product Data Sheet

### Fifth Wheel EP2

#### Lithium Complex Lubricating Grease

##### Description

Nemco Fifth Wheel EP2 Grease is lithium-complex extreme pressure grease designed specifically for automotive fifth-wheel applications. This tacky, heavy load grease is formulated for all weather conditions and applications where stay-in-place performance is critical.

Fifth Wheel EP2 Grease maintains excellent mobility at cold temperatures. Its tacky nature will carry heavy loads, resist water wash-off and prevent corrosion. This grease has a high dropping point which provides excellent performance and protection in high-temperature environments.

##### Features and Benefits

- ▶ EP Performance; Excellent extreme pressure properties reduce wear and maintenance costs.
- ▶ Long Life; Outstanding mechanical stability over long periods of rigorous service.
- ▶ High Load and Weld Point; Strong protection against heavy pressures and shock loading.
- ▶ Wide temperature range of service.

##### Applications

Nemco Fifth Wheel EP2 Grease is recommended for use on automotive fifth-wheels. If the fifth-wheel has been pressure washed then a first application of this grease should be 0.5 kg applied as a thin film across the mating surfaces; make sure the grease pockets that are built into the top plate are full. Touchups thereafter should be about 0.2 kg of grease.

Given the high solids content, Fifth Wheel grease is NOT recommended for wheel bearing service. For wheel bearing service refer to Nemco's Blue Max Grease.

##### Availability and product codes

Pack size	35lb pail	120lb keg	400lb drum
Fifth Wheel EP2	GRGRZ0037	GRGRZ0074	GRGRZ0096*
Availability	Year round / *Contact a Technical Sales Representative		

##### Use and Storage

To get the best performance from your equipment ensure products meet or exceed manufacturing requirements. Lubricants typically have a shelf life of 5 years under ideal storage conditions. Keep containers in good condition and away from moisture. Keep closures securely in place to prevent exposure to air which may cause the product to dry out. Where possible, avoid storage in areas where the temperature fluctuates between extreme highs and lows.

**Typical physical characteristics – Fifth Wheel EP2 Grease**

Properties	Method	EP2
NLGI Grade	ASTM D217	2
Soap/Thickener Type		Lithium Complex
Texture	Visual	Tacky
Colour	Visual	Black
Worked Penetration, 25°C (77°F), mm/10, 60 strokes	ASTM D217	280
Dropping Point, °C (°F)	ASTM D2265	>260(>500)
Viscosity of Oil, cSt @ 40°C	ASTM D445	320
Four-Ball Wear Test, Scar, mm	ASTM D2266	<0.6
Four-Ball Weld Point, kg (minimum)	ASTM D2596	315
Four-Ball Load-Wear Index, kgf (minimum)	ASTM D2596	50
Corrosion Prevention, rating	ASTM D1743	Pass
Timken OK Load, kg (lb) (minimum)	ASTM D2509	22.7(50)
Water Spray-Off, wt.% (loss)	ASTM D4049	<35
Mobility Test, @ 60°F, g/min	US Steel	>300
Rust Protection (5% synthetic sea water)	ASTM D5969	Pass

These characteristics are typical of current production, variations in these characteristics may occur.

**Health, Safety, & Environment**

GHS compliant Safety Data Sheets are available at [nemco.ca](http://nemco.ca) under 'Safety Data Sheets'. For SDS in French, please contact [info@nemco.ca](mailto:info@nemco.ca). While this material is not classified under WHMIS 2015 the SDS contains valuable information critical to the safe handling and proper use of the product. Always take used grease to an authorized collection point. Avoid discharge into the environment. As with any lubricant, keep out of reach of children and animals.

**Quality**

Nemco works with respected industry suppliers and is an active member of ILMA. Nemco Resources Limited manufacturing facility in Winnipeg, Manitoba is proud to be certified to ISO 9001. For questions regarding quality, please contact our Technical Sales representatives.